

FILE NOTATIONS

Entered in NID File

☒

Entered On S R Sheet

2

Location Map Pinned

☒

Card Indexed

☒

I W R for State or Fee Land

☐

Checked by Chief

PMB

Copy NID to Field Office

☒

Approval Letter

☐

Disapproval Letter

☐

COMPLETION DATA:

Date Well Completed

9/9/63

Location Inspected

RDC

OW _____ WW _____ TA _____

Bond released

GW _____ OS _____ PA ☒

State of Fee Land

☐

LOGS FILED

Driller's Log

9/11/63

Electric Logs (No.)

2

E

I

E-I

☒

GR

GR-N

Micro

Lat

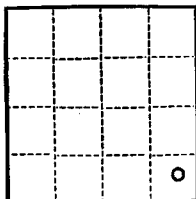
Mi-L

Sonic

☒

Others

☐



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-R358.4.
Form Approved.

Land Office Utah
Lease No. U-015908
Unit _____

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....		SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....		SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

July 24, 1963

Horseshoe Bend

Well No. 1 is located 608 ft. from S line and 668 ft. from E line of sec. 1

SW SE SE 1 7 S 21 E Salt Lake

(¼ Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Wildcat Utah Utah

(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 9062 ft. K.B.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Estimated Formation Tops:

Utah	Surface
Green River	3249
Wasatch	6594
Estimated T. D.	6700

Casing Program:

13-3/8" 48# casing set @ 200'

Cement to circulate.

5 1/2" 14-15.5# casing set through all potential producing zones.

To test potential producing zones in the Green River and Wasatch formations.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company The Shamrock Oil and Gas Corporation

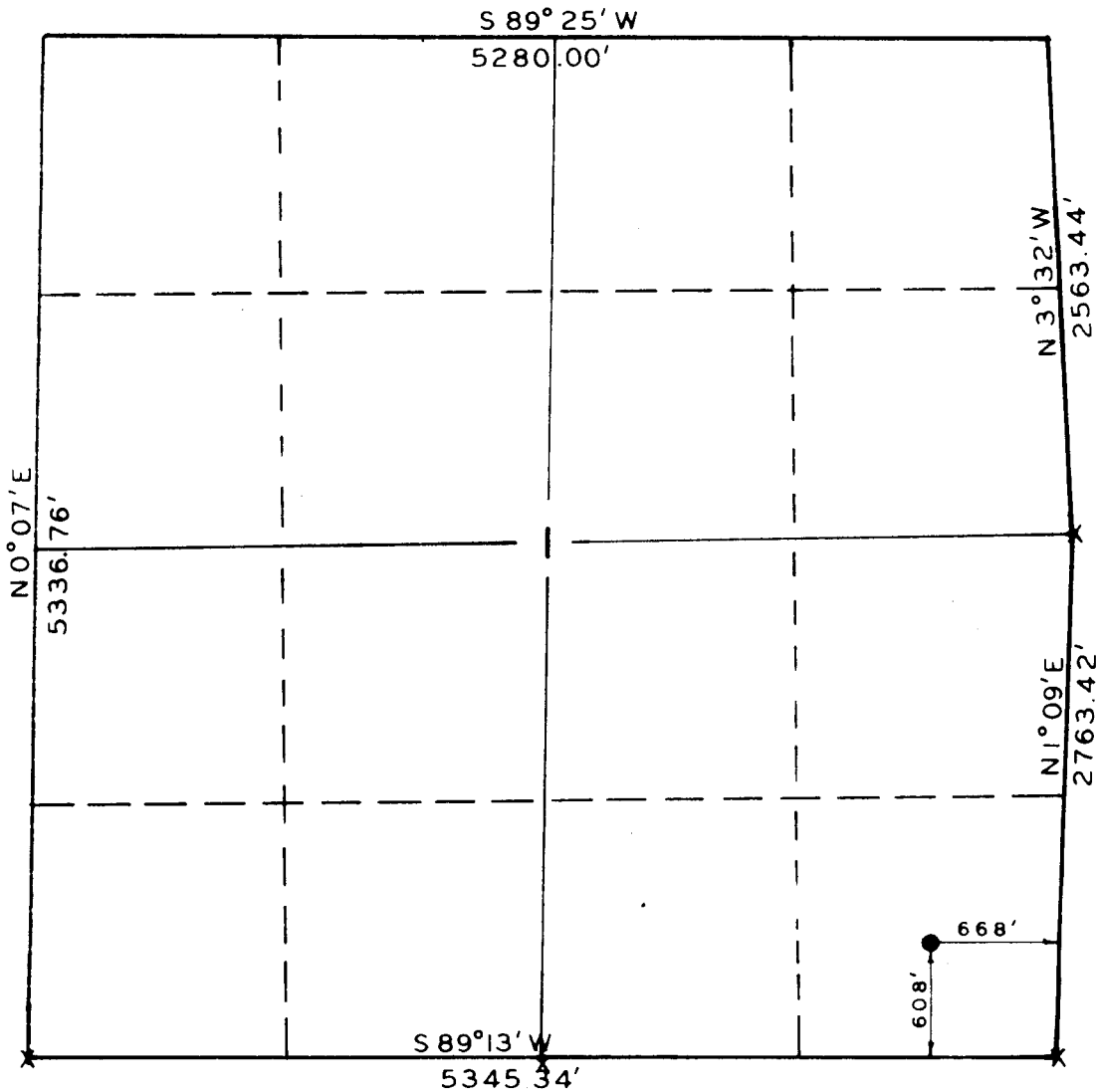
Address 870 First Security Building

Salt Lake City 11, Utah, 84111

By Ralph Homer

Title District Geologist

T 7S, R 21E, SLB&M



X = Corners Located (brass caps)
unapproved dependant re-survey

Scale: 1" = 1000'

Note: Bearings and distances shown on sec
lines are as shown on U.S. BLM plat
T 7S, R 21E, SLB&M (advanced copy
unapproved.)

Elevation 5050 Ground

By: ROSS CONSTRUCTION CO.
Vernal, Utah

Nelson J. Marshall

<p>PARTY G. Stewart R. Stewart</p> <p>WEATHER Fair - Warm</p>	<p>SURVEY SHAMROCK OIL & GAS CORP WELL LOC. HORSESHOE BEND NO.1 LOCATED AS SHOWN IN THE SE 1/4, SE 1/4, SEC.1, T 7S, R 21E, SLB&M. UINTAH COUNTY, UTAH.</p>	<p>DATE 5/27/63 REFERENCES U.S. BLM Township Plat Surveyed 1953 FILE SHAMROCK</p>
-----------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------

July 25, 1963

**Shamrock Oil & Gas Corp.
870 First Security Building
Salt Lake City, Utah**

Attention: Ralph Thomas, District Geologist

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Horseshoe Bend #1, which is to be located 608 feet from the south line and 668 feet from the east line of Section 1, Township 7 South, Range 21 East, SLHM, Uintah County, Utah.

Please be advised that insofar as this office is concerned, approval to drill said well is hereby granted.

As soon as you have determined that it will be necessary to plug and abandon the above mentioned well, you are hereby requested to immediately notify the following:

**PAUL W. MURCHELL, Chief Petroleum Engineer
Office: DA 8-5571 or DA 8-5572
Home: CR 7-2890
Salt Lake City, Utah**

This approval terminates within 90 days if the above mentioned well has not been spudded in within said period.

Enclosed please find Form OGCC-8-X, which is to be completed

Shamrock Oil & Gas Corp.

-2-

July 23, 1963

**if water sands (aquifers) are encountered while drilling,
particularly assessable near surface water sands.**

**Your cooperation with respect to completing this form
will be greatly appreciated.**

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

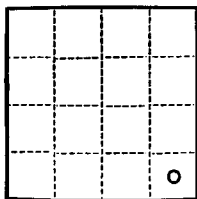
**CLEON B. FREIGHT
EXECUTIVE DIRECTOR**

CBF:kgw

Encls. (Forms)

**cc: D. F. Russell, District Engineer
U. S. Geological Survey
Salt Lake City, Utah**

**H. L. Coonts, Petroleum Engineer
Oil & Gas Conservation Commission
Moab, Utah**



(SUBMIT IN TRIPLICATE)
**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

Budget Bureau No. 42-R358.4.
Form Approved.

Land Office Utah
Lease No. U-015908
Unit _____

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	Subsequent report of running surface casing
	X

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

August 13, 19 63

Horseshoe Bend

Well No. 1 is located 608 ft. from S line and 666 ft. from E line of sec. 1

SE SE 1 7 S 21 E Salt Lake
(¼ Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Wildest Uintah Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5062 ft. K.B.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Ran 221 feet 9-5/8" 32.30 casing. Set casing at 232'. Cemented with 150 sacks regular cement with 2% NA-5 added. Cement circulated.

Spud 8-10-63

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company The Shamrock Oil and Gas Corporation
Address 870 First Security Building
Salt Lake City 11, Utah, 84111

By Edwin B. Isbell
Title Geologist

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form approved.
Budget Bureau No. 42-R35615

LAND OFFICE Utah
LEASE NUMBER U-015988
UNIT _____

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Uintah Field Wildest

The following is a correct report of operations and production (including drilling and producing wells) for the month of August, 1963,

Agent's address 870 First Security Building Company The Shamrock Oil and Gas Corp.

Salt Lake City 11, Utah, 84111

Signed Ralph Thomas

Phone 328-0165

Agent's title Distrist Geologist

SEC. AND ¼ OF ¼	TWP.	RANGE	WELL No.	DAYS Produced	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
Sec. 1 SE SE	7S	21E	1		Spud 8-10-63. Drilled 12½" to 238'. Set 9-5/8" csg @ 232' w/150 sz. DST #1: 3644-3706. SI 30 min., open 2 hrs., SI 2 hrs. Had good blow inmed, decr slightly at end of test. Had gas to surface in 1 hr 45 min., TSTM. Rec 3245' fluid being 180' GCM, 3065' GC brackish wtr. FP 322-1369, SIP 1527-1530, HH 1755-1742. DST #2: 6046-82. SI 30 min., op 60 min., SI 45 min. Had good blow, decr to fair blo at end of 15 minutes, remained fair to end of test. Rec 150' fluid being 75' GCM and 75' OAGCM. FP 71-82, SIP 731-368, HH 2852-2829. Tripping at 6267'. ✓					

2201 01 932

NOTE.—There were no runs or sales of oil; no M cu. ft. of gas sold;

no runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

U. S. LAND OFFICE Utah

SERIAL NUMBER U-015988

LEASE OR PERMIT TO PROSPECT _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company The Shamrock Oil and Gas Corp. Address 870 First Security Building, Salt Lake City
Lessor or Tract Horseshoe Bend Field Wildcat State Utah
Well No. 1 Sec. 1 T. 7S R. 21E Meridian Salt Lake County Uintah
Location 608 ft. N. of S. Line and 668 ft. E. of E. Line of Section 1 Elevation 5060
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed Edwin B. Isbell

Date September 10, 1963 Title Geologist

The summary on this page is for the condition of the well at above date.

Commenced drilling August 10, 1963 Finished drilling September 6, 1963
OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 6526 to 6528 No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____
IMPORTANT WATER SANDS
No. 1, from _____ to _____ No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
9 5/8"	32			150					Surfacer
HISTORY OF OIL OR GAS WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9 5/8"	232'	150			

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from 0 feet to 6801 feet, and from _____ feet to _____ feet

Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

-----, 19----- Put to producing -----, 19-----

The production for the first 24 hours was ----- barrels of fluid of which ----- % was oil; ----- % emulsion; ----- % water; and ----- % sediment. Gravity, °Bé. -----

If gas well, cu. ft. per 24 hours ----- Gallons gasoline per 1,000 cu. ft. of gas -----

Rock pressure, lbs. per sq. in. -----

EMPLOYEES

_____, Driller _____, Driller

_____, Driller _____, Driller

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
0	3414	3414	Red and Green Shale
3414	4116	702	Gry Shale and Sand
4116	4590	474	Oil shale & dolomitic Shale
4590	5610	1020	Sands with dead stain, Lime and shale
5610	6196	586	Dolo Shale & Sdy Strks
6196	6740	544	Sand and Shale
6740	6801	61	Ostracodal Lime and Gy-Cn Shale
			<u>TOPS</u>
			Uinta Surface
			Green River 3375
FROM-	TO-	TOTAL FEET	FORMATION

HISTORY OF OIL OR GAS WELL

16-43004-2 U. S. GOVERNMENT PRINTING OFFICE

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked," or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

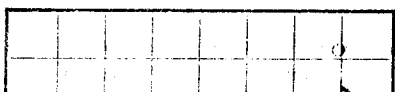
DATE	DEPT. (or WORKER)	MEASUREMENTS	MARKS	YARDAGE	THICK OF SHOT	CUT AND BULLED THROAT	FROM	TO	REMARKS
8-10-63	Spud.	Drilled 12 1/2" to 238'	Set 9-5/8" casing @ 232' w/150 sx.						
DST #1:	3644-3706.	SI 30", Op 2", SI 2".	Had good blow, decr slt						
at BOT.	Had GTS in 1" 45", TSTM.	Rec 3249' fluid being 180' GCM	Drilling mud						
and 2,065'	GC-brackish water.	FP 322-1368, SIP 1527-1530, HH 1755-1742.							
DST #2:	6046-82.	SI 30", op 60", SI 45"	Had good blow, decr to fair blow						
at end of 15",	fair blow to BOT.	Rec 150' fluid being 75' GCM and 75' O&GCM.							
FP 321-82,	SIP 731-368,	HH 2852-2829.							
DST #3:	6527-39.	SI 30", op 120", SI 120"	Had fair blow thruout test.						
Rec 95'	fluid being 10' HOCM,	85' clean frothy black high pour point oil.							
FP 329-61,	SIP 2603-2554,	HH 3201-3171.							
Drilled to 6800'.	Ran logs.								
DST #4:	6430-54 (straddle test)	Packer failed							
DST #5:	4580-4604 (straddle test).	Op 1", SI 30"	Had fair blow thruout test.						
Rec 143'	HCM and 600' oil brackish water.	FP 28-282, SIP 1851, HH 2278-2278.							

Comp 2-2-63 on this page is for the condition of the well at above date.
D&A

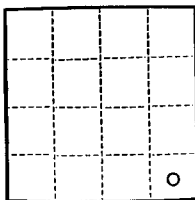
Date _____
Signed _____
so far as can be determined from all available records.

The information given hereon is a complete and correct record of the well and all work done thereon.
Location _____ of _____ line and _____ of _____ line of _____
Well No. _____
Person or Place _____
Company _____

LOCATE WELL CORRECTLY



LOC OF OR OR GAS WELL



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-R358.4.
Form Approved.

Land Office Utah

Lease No. U-015988

Unit _____

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NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL	<input checked="" type="checkbox"/>		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

September 9, 1963

Well No. 1 is located 608 ft. from NE line and 668 ft. from E line of sec. 1

SE SE 1 7 S 21 E Salt Lake

($\frac{1}{4}$ Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Wildest Uintah Utah

(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5062 ft. K.B.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Request permission to plug and abandon because well is non-commercial.

Proposed plugs: 30 sacks @ 6501-6556
30 sacks @ 3350-3400
30 sacks @ 202-270
10 sacks @ surface

Drilling mud to be between all plugs.

Total depth 6,800'.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

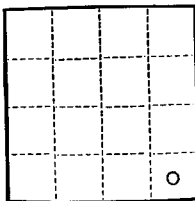
Company The Shamrock Oil and Gas Corporation

Address 870 First Security Building

Salt Lake City 11, Utah, 84111

By Ralph Shuman

Title District Geologist



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-R358.4.
Form Approved.

Land Office Utah

Lease No. U-015988

Unit _____

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NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	X
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

September 10, 19 63

Well No. 1 is located 608 ft. from ~~N~~S line and 668 ft. from ~~W~~E line of sec. 1

SE SE 1 7 S 21 E Salt Lake
($\frac{1}{4}$ Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Wildest Utah Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5062 ft. K.B.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Total depth 6,800'.

Plugs: 30 sacks @ 6501-6556
30 sacks @ 3350-3400
30 sacks @ 202-270
10 sacks @ surface

Drilling mud between all plugs.

Plugged and abandoned September 9, 1963.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company The Shamrock Oil and Gas Corporation

Address 870 First Security Building

Salt Lake City 11, Utah, 84111

By [Signature]

Title District Geologist

610
7
September 17, 1963

MEMO FOR FILING:

93-007-11017 PA
Re: Shamrock Oil & Gas Corporation
Horseshoe Bend #1
Sec. 1, T. 7 S, R. 21 E.,
Uintah County, Utah

On September 8, 1963, verbal approval was given to Mr. Ralph Thomas of Shamrock Oil & Gas Corporation to plug their above mentioned well in the following manner:

Total Depth of the well is 6880' in the base of the Green River. The top of the Green River was 3375' and 30 sacks of cement will be placed across the top.

From the top of the Green River to the base there were three drill stem tests made and the only significant zone was from 6526'-6529' which indicated 85' of free oil on the test but because the sand is so thin it could not be made into a commercial one.

A 30 sack cement plug will be placed across this zone and an additional 30 sack cement plug will be placed 1/2 in and 1/2 out of the 9 5/8" surface casing set at 232'.

Drill stem tests #1 and #2 had a show of water and a very slight show of oil both of which were considered insignificant by the operator.

These zones will be isolated and heavy mud will be placed between all plugs. The location will be cleaned, identified and the rat hole filled in a satisfactory manner. This program meets with U. S. Geological Survey approval.

PAUL W. BURCHELL
CHIEF PETROLEUM ENGINEER

PWB:kgw
N.